

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) Antenna pane comprising at least one glass pane (1) and at least one electrically conductive coating (3) which is subdivided by barrier lines (4) into a number of electrically isolated segments on which antenna pane the coating (3) incorporates at least one strip-like segmented surface portion (5) in which the distance between the barrier lines (4) is so small that the coating there can transmit HF radiation in a specified frequency range, ~~characterised in that~~ wherein the segmented surface portion (5) is, by contacting in the contact areas (7) at its two longitudinal sides (6) and by its outer dimensions, constructed as a slot antenna for electromagnetic radiation in the range of frequencies which the segmented surface portion (5) can transmit.

2. (Currently Amended) Antenna pane in accordance with claim 1, ~~characterised in that~~ wherein the barrier lines (4) within the segmented surface portion (5) form a linear or lattice raster with a constant raster unit size.

3. (Currently Amended) Antenna pane in accordance with claim 1, ~~characterised in that~~ wherein the barrier lines (4) within the segmented surface

portion (5) form a raster with a variable raster unit size, variable barrier line width or variable raster form.

4. (Currently Amended) Antenna pane in accordance with ~~one of the foregoing claims, characterised in that~~ claim 1, wherein the barrier lines (4) within the segmented surface portion (5) have at least partly a non-rectilinear, ~~and particularly an undulating, curved, zigzagged or fractal form.~~

5. (Currently Amended) Antenna pane in accordance with ~~one of the foregoing claims, characterised in that~~ claim 1, wherein the segmented surface portion (5) is constructed as a slot antenna for the VHF range.

6. (Currently Amended) Antenna pane in accordance with claim 5, ~~characterised in that~~ wherein in a part (13) of the segmented surface portion (5) a raster which can transmit frequencies above the VHF range and is finer than in other areas of the segmented surface portion (5) is provided ~~for~~ and in that at least one antenna (14) for frequencies above the VHF range is arranged in this part (13).

7. (Currently Amended) Antenna pane in accordance with ~~one of the foregoing claims, characterised in that~~ claim 1, wherein the segmented surface portion (5) in the an area in which it is contacted as a slot antenna incorporates a constriction (12) which reduces the a width of the segmented surface portion (5).

8. (Currently Amended) Antenna pane in accordance with claim 7, ~~characterised in that~~ wherein the constriction (12) comprises a strip-like portion of the coating (3) which strip-like portion projects into the segmented surface portion (5) and is constructed as an antenna (14) for a frequency range above ~~the~~ a reception range of the slot antenna.

9. (Currently Amended) Antenna pane in accordance with ~~one of the foregoing claims, characterised in that~~ claim 1, wherein the coating (3) incorporates a heatable area (15) electrically isolated from ~~the~~ an area of the coating (3) adjacent to the segmented surface portion (5) by at least one of the barrier lines ~~line~~ (4) and provided with bus bars (16).

10. (Currently Amended) Antenna pane in accordance with claim 9, ~~characterised in that~~ wherein the heatable area (15) is provided with at least some of the barrier lines (4) influencing the distribution of the heating current.

11. (Currently Amended) Antenna pane in accordance with claim 9 ~~or 10~~, ~~characterised in that~~ wherein the heatable sector (15) area is wired as an antenna for the VHF and/or AM range.

12. (Currently Amended) Antenna pane in accordance with ~~one of the foregoing claims, characterised in that~~ claim 1, wherein in the coating (3) an AM antenna (18) bounded by at least some of the barrier lines (4) and with an assigned AM antenna connecting area (19) is provided ~~for~~.

13. (Currently Amended) Antenna pane in accordance with ~~one of the foregoing claims, characterised in that~~ claim 1, wherein the segmented surface portion ~~(5)~~ is surrounded on all sides by the electrically conductive coating ~~(3)~~.

14. (New) Antenna pane in accordance with claim 4, wherein the non-rectilinear form is one of an undulating, curved, zigzagged and fractal form.

15. (New) Antenna pane in accordance with claim 2, wherein the barrier lines within the segmented surface portion have at least partly a non-rectilinear form.

16. (New) Antenna pane in accordance with claim 2, wherein the segmented surface portion is constructed as a slot antenna for VHF range.

17. (New) Antenna pane in accordance with claim 2, wherein the segmented surface portion in an area in which it is contacted as a slot antenna incorporates a constriction which reduces a width of the segmented surface portion.

18. (New) Antenna pane in accordance with claim 2, wherein the coating incorporates a heatable area electrically isolated from an area of the coating adjacent to the segmented surface portion by at least one of the barrier lines and provided with bus bars.

19. (New) Antenna pane in accordance with claim 2, including an AM antenna provided in the coating and bounded by the barrier lines, the AM antenna comprising an assigned AM antenna connecting area.

20. (New) Antenna pane in accordance with claim 2, wherein the segmented surface portion is surrounded on all sides by the electrically conductive coating.